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(21)Application number : 04- (71)Applicant : KOBE STEEL LTD  
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## (54) MANUFACTURE OF HIGHLY CORROSION-RESISTANT RARE-EARTH MAGNET

### (57)Abstract:

**PURPOSE:** To prevent occlusion of hydrogen into a magnet and a plated layer and hydrogen fragility of a magnet and then maintain high corrosion resistance and high-level magnetic characteristics over a long period of time by heating a rare-earth magnet subjected to Ni or Ni alloy plating within vacuum.

**CONSTITUTION:** RE-B-Fe sintered rare-earth magnet or RE-TM-B hot machining rare-earth magnet (RE indicates one or more kinds of rare-earth elements and TM indicates one or more kinds of transition elements) which is subjected to Ni on Ni alloy plating is heated within vacuum at a temperature which is equal to or higher than 600° C and less than 800° C.

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